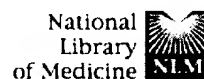


STN-was dead shw



PubMed Nucleotide Protein Genome Structure PopSet Taxonomy OMIM Books

Search PubMed  for

pedraza-Reyes M

Go

Clear

☒ Limits Preview/Index History Clipboard Details

Field: Author

Display

Summary



Sort



Save

Text

Clip Add

Show: 20



Items 1-8 of 8

C

- ☐ 1: Avitia CI, Castellanos-Juarez FX, Sanchez E, Tellez-Valencia A, Fajardo-Cavazos P, Rela Nicholson WL, Pedraza-Reyes M.

Temporal secretion of a multicellulolytic system in *Myxobacter* sp. AL-1  
Molecular cloning and heterologous expression of cel9 encoding a modular  
endocellulase clustered in an operon with cel48, an exocellobiohydrolase  
Eur J Biochem. 2000 Dec;267(24):7058-64.  
PMID: 11106416 [PubMed - indexed for MEDLINE]

- ☐ 2: Rebeil R, Sun Y, Chooback L, Pedraza-Reyes M, Kinsland C, Begley TP, Nicholson WL.

Spore photoproduct lyase from *Bacillus subtilis* spores is a novel iron-sulfur  
DNA repair enzyme which shares features with proteins such as class III  
anaerobic ribonucleotide reductases and pyruvate-formate lyases.  
J Bacteriol. 1998 Sep;180(18):4879-85.  
PMID: 9733691 [PubMed - indexed for MEDLINE]

- ☐ 3: Pedraza-Reyes M, Gutierrez-Corona F. Rela

The bifunctional enzyme chitosanase-cellulase produced by the gram-negative  
microorganism *Myxobacter* sp. AL-1 is highly similar to *Bacillus subtilis*  
endoglucanases.  
Arch Microbiol. 1997 Oct;168(4):321-7.  
PMID: 9297470 [PubMed - indexed for MEDLINE]

- ☐ 4: Pedraza-Reyes M, Gutierrez-Corona F, Nicholson WL. Rela

Spore photoproduct lyase operon (splAB) regulation during *Bacillus subtilis*  
sporulation: modulation of splB-lacZ fusion expression by P1 promoter  
mutations and by an in-frame deletion of splA.  
Curr Microbiol. 1997 Mar;34(3):133-7.  
PMID: 9009064 [PubMed - indexed for MEDLINE]

- ☐ 5: Pedraza-Reyes M, Gutierrez-Corona F, Nicholson WL. Rela

Temporal regulation and forespore-specific expression of the spore photoproduct

lyase gene by sigma-G RNA polymerase during *Bacillus subtilis* sporula  
J Bacteriol. 1994 Jul;176(13):3983-91.  
PMID: 8021181 [PubMed - indexed for MEDLINE]

6: Pedraza-Reyes M, Lopez-Romero E.

Rela

Chitinase activity in germinating cells of *Mucor rouxii*.  
Antonie Van Leeuwenhoek. 1991 Apr;59(3):183-9.  
PMID: 1867474 [PubMed - indexed for MEDLINE]

7: Pedraza-Reyes M, Alvarez-Gonzalez R.

Rela

Oligo(3'-deoxy ADP-ribosyl)ation of the nuclear matrix lamins from rat  
utilizing 3'-deoxyNAD as a substrate.  
FEBS Lett. 1990 Dec 17;277(1-2):88-92.  
PMID: 2125280 [PubMed - indexed for MEDLINE]

8: Pedraza-Reyes M, Lopez-Romero E.

Rela

Purification and some properties of two forms of chitinase from mycelial  
*Mucor rouxii*.  
J Gen Microbiol. 1989 Jan;135 ( Pt 1):211-8.  
PMID: 2778431 [PubMed - indexed for MEDLINE]

Display	Summary	▼	Sort	▼	Save	Text	Clip Add
---------	---------	---	------	---	------	------	----------

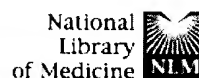
Show: 20 ▼ Items 1-8 of 8 C

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)



PubMed Nucleotide Protein Genome Structure PopSet Taxonomy OMIM Books

Search PubMed  for

☒ Limits Preview/Index History Clipboard Details

Display

Abstract

Sort

1: Eur J Biochem 1991 Apr  
23;197(2):337-43

Related Articles, Nucleotide, Protein  
NEW Book

**Molecular cloning, expression and nucleotide sequence of the  
endo-beta-1,3-1,4-D-glucanase gene from *Bacillus licheniformis*.  
Predictive structural analyses of the encoded polypeptide.**

**Lloberas J, Perez-Pons JA, Querol E.**

Institut de Biologia Fonamental, Universitat Autònoma de Barcelona, Be  
Spain.

A *Bacillus licheniformis* gene coding for an endo-beta-1,3-1,4-D-glucanase has been cloned in *Escherichia coli* and sequenced. The open reading frame contains a sequence of 731 bp, encoding a polypeptide of 243 amino acid residues with a molecular mass of 27404 Da (24418 Da without the putative signal peptide which corresponds to the enzyme we had previously isolated and characterized). The signal peptide is functional in *E. coli*. More than 60% of the endo-beta-1,3-1,4-D-glucanase activity is extracellular or periplasmic. The polypeptide is highly similar to other reported *Bacillus* beta-glucanases. Predictive structural analyses (secondary structure, hydropathic plots, similarity with other related enzymes, etc.) have been performed. From these analyses we assign a tentative three-functional-domain structure for the enzyme (signal peptide, substrate binding and catalytic domains) and a putative lysozyme active site.

PMID: 2026156 [PubMed - indexed for MEDLINE]

Display

Abstract

Sort